Author index

Alliger, P., Traut, W., Carstens, E. and Fanning, E.
Partial purification and characterization of a cellular protein that binds to the SV40 core origin of DNA replication (951) 396

Almouzni, G. and Méchali, M.
Xenopus egg extracts: a model system for chromatin replication (951) 443

Ang, D., see Zylicz, M. (951) 344

Attinà, M., see Caiafa, P. (951) 191

Avery, R.J., see Carter, A.T. (951) 130

Bahman, M., Buck, V., White, A. and Rosamond, J.
Characterisation of the *CDC7* gene product of *Saccharomyces cerevisiae* as a protein kinase needed for the initiation of mitotic DNA synthesis (951) 335

Bauer, G.A. and Burgers, P.M.J.
Protein–protein interactions of yeast DNA polymerase III with mammalian and yeast proliferating cell nuclear antigen (PCNA)/cyclin (951) 274

Baur, C.P., Klausing, K., Scheffner, M., Stahl, H. and Knippers, R.
Protein–DNA interactions at the simian virus 40 origin of replication (951) 388

Bebenek, K., see Kunkel, T.A. (951) 1

Behnke, B., see Bialek, G. (951) 290

Berchthold, M.W., see Hammond, R.A. (951) 315

Bernad, A., see Salas, M. (951) 419

Berns, K.I., Kotin, R.M. and Labow, M.A.
Regulation of adeno-associated virus DNA replication (951) 425

Bialek, G., Nasheuer, H.-P., Goetz, H., Behnke, B. and Grosse, F.
DNA polymerase α-DNA primase from human lymphoblasts (951) 290

Biamonti, G., see Falaschi, A. (951) 430

Blanco, L., see Salas, M. (951) 419

Blasco, M.A., see Salas, M. (951) 419

Borthwick, I.A., see Loveridge, J.A. (951) 166

Boye, E., Løbner-Olesen, A. and Skarstad, K.
Timing of chromosomal replication in *Escherichia coli* (951) 359

Brooks, A.R., see Old, R.W. (951) 220

Brown, N.C., see Hammond, R.A. (951) 315

Browning, K.S., see Heufler, C. (951) 182

Bryan, S., Chen, H., Sun, Y. and Moses, R.E.
Alternate pathways of DNA replication in *Escherichia coli* (951) 249

Buck, V., see Bahman, M. (951) 335

Buhk, H.-J., see Gassmann, M. (951) 280

Burgers, P.M.J., see Bauer, G.A. (951) 274

Cacace, F., see Caiafa, P. (951) 191

Caiafa, P., Mastrantonio, S., Cacace, F., Attinà, M., Rispoli, M. and Strom, R.
Localization, in human placenta, of the tightly bound form of DNA methylase in the higher order of chromatin organization (951) 191

Camilloni, G., see Venditti, S. (951) 139

Cárdenas, J., see Franco, A.R. (951) 98

Carstens, E., see Alliger, P. (951) 396

Carter, A.T., Norton, J.D. and Avery, R.J.
The genomic DNA organisation and evolution of a retrovirus-transmissible family of mouse (VL30) genetic elements (951) 130

Caserta, M., see Venditti, S. (951) 139

Chang, T., Jiang, Y.-J., Chiou, S.-H. and Chang, W.-C.
Carp gamma-crystallins with high methionine content: cloning and sequencing of the complementary DNA (951) 226

Chang, W.-C., see Chang, T. (951) 226

Chartier, F., Laine, B. and Sautiere, P.
Characterization of the chromosomal protein MC1 from the thermophilic archaebacterium *Methanosarcina* sp. CHTI 55 and its effect on the thermal stability of DNA (951) 149

Chen, H., see Bryan, S. (951) 249

Chinali, G., Nyssen, E., Di Giambattista, M. and Cocito, C.
Action of erythromycin and virginiamycin S on polypeptide synthesis in cell-free systems (951) 42

Chiou, S.-H., see Chang, T. (951) 226

Ciarrocchi, G., see Montecucco, A. (951) 330

Cobianchi, F., see Falaschi, A. (951) 430

Cocito, C., see Chinali, G. (951) 42

Comodini, A., see Plevani, P. (951) 268

Connerton, I.F., see Ray, M.K. (951) 213

Csordas-Toth, E., see Falaschi, A. (951) 430

Darkin, S.J., see Schneider, E. (951) 85

De Recondo, A.-M., see Elie, C. (951) 261

Di Giambattista, M., see Chinali, G. (951) 42

Di Mauro, E., see Venditti, S. (951) 139

Drahovsky, D., see Tomassetti, A. (951) 201

Driever, P.H., see Tomassetti, A. (951) 201

Elie, C., Salhi, S., Rossignol, J.-M., Forterre, P. and De Recondo, A.-M.
A DNA polymerase from a thermoacidophilic archaebacterium: evolutionary and technological interests (951) 261
Elliott, W.H., see Loveridge, J.A. (951) 166

Fairman, M., Prelich, G., Tsurimoto, T. and Stillman, B.
Identification of cellular components required for SV40 DNA replication in vitro (951) 382 .
Falaschi, A., Biamonti, G., Cobianchi, F., Csordas-Toth, E., Faulkner, G., Giacca, M., Pedacchia, D., Perini, G., Riva, S. and Tribioli, C.
Presence of transcription signals in two putative DNA replication origins of human cells (951) 430
Fanning, E., see Alliger, P. (951) 396
Faulkner, G., see Falaschi, A. (951) 430
Fernández, E., see Franco, A.R. (951) 98
Ferrari, E., see Gassmann, M. (951) 280
Focher, F., see Gassmann, M. (951) 280
Foeckler, R., see Gander, I. (951) 411
Foiani, M., see Plevani, P. (951) 268
Forterre, P., see Elie, C. (951) 261
Foster, K.A., see Hammond, R.A. (951) 315
Francesconi, S., see Plevani, P. (951) 268
Franco, A.R., Cárdenas, J. and Fernández, E.
Regulation by ammonium of nitrate and nitrite assimilation in *Chlamydomonas reinhardtii* (951) 98

Gander, I., Foeckler, R., Rogge, L., Meisterernst, M., Schneider, R., Mertz, R., Lottspeich, F. and Winnacker, E.-L.
Purification methods for the sequence-specific DNA-binding protein nuclear factor I (NFI) – generation of protein sequence information (951) 411
Garmendia, C., see Salas, M. (951) 419
Gassmann, M., Focher, F., Buhk, H.-J., Ferrari, E., Spadari, S. and Hübscher, U.
Replication of single-stranded porcine circovirus DNA by DNA polymerases α and δ (951) 280
Gassmann, M., see Hammond, R.A. (951) 315
Georgopoulos, C., see Zylicz, M. (951) 344
Giacca, M., see Falaschi, A. (951) 430
Gielow, A., see Messer, W. (951) 351
Goetz, H., see Bialek, G. (951) 290
Gonzalez-Redondo, J.M., see Jogessar, V.B. (951) 36
Griffiths, D.E., see Ray, M.K. (951) 213
Grosse, F., see Bialek, G. (951) 290
Gutiérrez, J., see Salas, M. (951) 419

Hammond, R.A., Foster, K.A., Berchthold, M.W., Gassmann, M., Holmes, A.M., Hübscher, U. and Brown, N.C.
Calcium-dependent calmodulin-binding proteins associated with mammalian DNA polymerases α (951) 315
Hartmann, H., see Messer, W. (951) 351
Hermoso, J.M., see Salas, M. (951) 419
Heufler, C., Browning, K.S. and Ravel, J.M.
Properties of the subunits of wheat germ initiation factor 3 (951) 182
Holmes, A.M., see Hammond, R.A. (951) 315
Hou, Y.-M., Kim, R. and Kim, S.-H.
Expression of the mouse metallothionein-I gene in *Escherichia coli*: increased tolerance to heavy metals (951) 230
Hu, H., see Jogessar, V.B. (951) 36
Hübscher, U., see Gassmann, M. (951) 280
Hübscher, U., see Hammond, R.A. (951) 315
Huisman, T.H.J., see Jogessar, V.B. (951) 36
Hutchins, A.-M., see Schneider, E. (951) 85

Ikeda, I., see Kitagawa, Y. (951) 123
Imokawa, M., see Sano, H. (951) 157

Jiang, Y.-J., see Chang, T. (951) 226
Jogessar, V.B., Westermeyer, K., Webber, B.B., Wilson, J.B., Hu, H., Gonzalez-Redondo, J.M., Kutlar, A. and Huisman, T.H.J.
Hb Natal or α_2(minus Tyr-Arg)β_2: a high oxygen affinity α chain variant with a deleted carboxy-terminus resulting from a TAC → TAA (Tyr → terminating codon) mutation in codon α140 (951) 36

Kamboj, R.K. and Siu, C.-H.
Mapping of the monoclonal antibody 80L5C4 epitope on the cell adhesion molecule gp80 of *Dictyostelium discoideum* (951) 78
Karwan, R., see Wintersberger, U. (951) 322
Katayose, Y., see Yui, Y. (951) 53
Khan, S.A., Murray, R.W. and Koepsel, R.R.
Mechanism of plasmid pT181 DNA replication (951) 375
Kikuchi, K., see Kitagawa, Y. (951) 123
Kim, R., see Hou, Y.-M. (951) 230
Kim, S.-H., see Hou, Y.-M. (951) 230
Kitagawa, Y., Tahira, T., Ikeda, I., Kikuchi, K., Tsuiki, S., Sugimura, T. and Nagao, M.
Molecular cloning of cDNA for the catalytic subunit of rat liver type 2A protein phosphatase, and detection of high levels of expression of the gene in normal and cancer cells (951) 123
Klausing, K., see Baur, C.P. (951) 388
Knippers, R., see Baur, C.P. (951) 388
Knopf, C.W. and Weisshart, K.
The herpes simplex virus DNA polymerase: analysis of the functional domains (951) 298
Koepsel, R.R., see Khan, S.A. (951) 375
Kornberg, A.
DNA replication (951) 235
Kotin, R.M., see Berns, K.I. (951) 425
Kühne, C., see Wintersberger, U. (951) 322
Kunkel, T.A. and Bebenek, K.
Recent studies of the fidelity of DNA synthesis (951) 1
Kutlar, A., see Jogessar, V.B. (951) 36

Labow, M.A., see Berns, K.I. (951) 425
Laine, B., see Chartier, F. (951) 149
Lanka, E., see Pansegrau, W. (951) 365
Lawson, P.A., see Schneider, E. (951) 85
Lázaro, J.M., see Salas, M. (951) 419

Leader, D.P., see McInnes, C. (951) 117
Lecomte, P.J. and Ninio, J.
Nucleotide excision by *E. coli* DNA polymerase I in proofreading and non-proofreading modes (951) 255
Leegwater, P.A.J., Rombouts, R.F.A. and Van der Vliet, P.C.
Adenovirus DNA replication in vitro: duplication of single-stranded DNA containing a panhandle structure (951) 403
Liberek, K., see Zylicz, M. (951) 344
Løbner-Olesen, A., see Boye, E. (951) 359
Lottspeich, F., see Gander, I. (951) 411
Loveridge, J.A., Borthwick, I.A., May, B.K. and Elliott, W.H.
Characterisation of *cis*-acting DNA sequences required for the expression of the chicken 5-aminolevulinate synthase gene in *Xenopus* oocytes (951) 166
Lucchini, G., see Plevani, P. (951) 268
Luxembourg, A.
Intracellular metabolism of the interferon mediator, 2-5A, using permeabilized cells (951) 175

Martín, G., see Salas, M. (951) 419
Mastrantonio, S., see Caiafa, P. (951) 191
May, B.K., see Loveridge, J.A. (951) 166
McHenry, C.S.
The asymmetric dimeric polymerase hypothesis: a progress report (951) 240
McInnes, C. and Leader, D.P.
The tropomyosin mRNAs of mouse striated muscles: molecular cloning of β-tropomyosin (951) 117
Méchali, M., see Almouzni, G. (951) 443
Meisterernst, M., see Gander, I. (951) 411
Mellado, R.P., see Salas, M. (951) 419
Mertz, R., see Gander, I. (951) 411
Messer, W., Seufert, W., Schaefer, C., Gielow, A., Hartmann, H. and Wende, M.
Functions of the DnaA protein of *Escherichia coli* in replication and transcription (951) 351
Montecucco, A., Pedrali-Noy, G., Spadari, S. and Ciarrocchi, G.
Multiple roles of DNA ligase at the replication fork (951) 330
Moses, R.E., see Bryan, S. (951) 249
Murray, R.W., see Khan, S.A. (951) 375
Muzi Falconi, M., see Plevani, P. (951) 268

Nagao, M., see Kitagawa, Y. (951) 123
Nasheuer, H.-P., see Bialek, G. (951) 290
Ninio, J., see Lecomte, P.J. (951) 255
Norton, J.D., see Carter, A.T. (951) 130
Nyssen, E., see Chinali, G. (951) 42

Old, R.W., Sweeney, G.E. and Brooks, A.R.
Activity of a cloned *Xenopus* albumin gene promoter in the homologous frog oocyte system (951) 220
Olomucki, M., see Roques, P. (951) 71
Otero, M.J., see Salas, M. (951) 419

Pansegrau, W., Ziegelin, G. and Lanka, E.
The origin of conjugative IncP plasmid transfer: interaction with plasmid-encoded products and the nucleotide sequence at the relaxation site (951) 365
Parés, E., see Salas, M. (951) 419
Pedacchia, D., see Falaschi, A. (951) 430
Pedrali-Noy, G., see Montecucco, A. (951) 330
Perini, G., see Falaschi, A. (951) 430
Pfeifer, G.P., see Tomassetti, A. (951) 201
Piatti, S., see Plevani, P. (951) 268
Pizzagalli, A., see Plevani, P. (951) 268
Plevani, P., Foiani, M., Muzi Falconi, M., Pizzagalli, A., Santocanale, C., Francesconi, S., Valsasnini, P., Comedini, A., Piatti, S. and Lucchini, G.
The yeast DNA polymerase-primase complex: genes and proteins (951) 268
Prelich, G., see Fairman, M. (951) 382

Ralph, R.K., see Schneider, E. (951) 85
Ravel, J.M., see Heufler, C. (951) 182
Ray, M.K., Connerton, I.F. and Griffiths, D.E.
DNA sequence analysis of the *Oli°2-76* and *Oli°1-92* alleles of the *Oli-2* region of the yeast *Saccharomyces cerevisiae*. Analysis of related amino-acid substitutions and protein–antibiotic interaction (951) 213
Redinbaugh, M.G., Wadsworth, G.J. and Scandalios, J.G.
Characterization of catalase transcripts and their differential expression in maize (951) 104
Rispoli, M., see Caiafa, P. (951) 191
Riva, S., see Falaschi, A. (951) 430
Rogge, L., see Gander, I. (951) 411
Rombouts, R.F.A., see Leegwater, P.A.J. (951) 403
Roques, P., Thomé, F. and Olomucki, M.
Reaction of nucleic acid bases with α-acetylenic esters. Part IV. Preparation of an alkylating derivative of $tRNA^{Phe}$ by conformation-specific chemical modification (951) 71
Rosamond, J., see Bahman, M. (951) 335
Rossignol, J.-M., see Elie, C. (951) 261

Sager, R., see Sano, H. (951) 157
Salas, M., Martín, G., Bernad, A., Garmendia, C., Lázaro, J.M., Zaballos, A., Serrano, M., Otero, M.J., Gutiérrez, J., Parés, E., Blasco, M.A., Mellado, R.P., Hermoso, J.M. and Blanco, L.
Protein-primed replication of bacteriophage ϕ29 DNA (951) 419
Salhi, S., see Elie, C. (951) 261
Sano, H., Imokawa, M. and Sager, R.
Detection of heavy methylation in human repetitive DNA subsets by a monoclonal antibody against 5-methylcytosine (951) 157
Santocanale, C., see Plevani, P. (951) 268
Sautiere, P., see Chartier, F. (951) 149
Scandalios, J.G., see Redinbaugh, M.G. (951) 104
Scandalios, J.G., see White, J.A. (951) 61
Schaefer, C., see Messer, W. (951) 351
Scheffner, M., see Baur, C.P. (951) 388

Schneider, E., Hutchins, A.-M., Darkin, S.J., Lawson, P.A. and Ralph, R.K.
Relationship between sensitivity to 4′-(9-acridinylamino)methanesulfon-*m*-anisidide and DNA topoisomerase II in a cold-sensitive cell-cycle mutant of a murine mastocytoma cell line (951) 85
Schneider, R., see Gander, I. (951) 411
Serrano, M., see Salas, M. (951) 419
Seufert, W., see Messer, W. (951) 351
Shishido, K., see Yui, Y. (951) 53
Siu, C.-H., see Kamboj, R.K. (951) 78
Skarstad, K., see Boye, E. (951) 359
Spadari, S., see Gassmann, M. (951) 280
Spadari, S., see Montecucco, A. (951) 330
Stahl, H., see Baur, C.P. (951) 388
Stillman, B., see Fairman, M. (951) 382
Strom, R., see Caiafa, P. (951) 191
Sugimura, T., see Kitagawa, Y. (951) 123
Sun, Y., see Bryan, S. (951) 249
Sweeney, G.E., see Old, R.W. (951) 220

Tahira, T., see Kitagawa, Y. (951) 123
Thomé, F., see Roques, P. (951) 71
Tomassetti, A., Driever, P.H., Pfeifer, G.P. and Drahovsky, D.
Isolation and characterization of proteins that stimulate the activity of mammalian DNA methyltransferase (951) 201
Traut, W., see Alliger, P. (951) 396
Tribioli, C., see Falaschi, A. (951) 430
Tsuiki, S., see Kitagawa, Y. (951) 123
Tsurimoto, T., see Fairman, M. (951) 382

Valsasnini, P., see Plevani, P. (951) 268
Van der Vliet, P.C., see Leegwater, P.A.J. (951) 403
Venditti, S., Caserta, M., Di Mauro, E. and Camilloni, G.
DNA conformational variations in the in vitro torsionally strained Ig κ light chain gene localize on consensus sequences (951) 139

Wadsworth, G.J., see Redinbaugh, M.G. (951) 104
Wasylyk, B.
Enhancers and transcription factors in the control of gene expression (951) 17
Webber, B.B., see Jogessar, V.B. (951) 36
Weisshart, K., see Knopf, C.W. (951) 298
Wende, M., see Messer, W. (951) 351
Westermeyer, K., see Jogessar, V.B. (951) 36
White, A., see Bahman, M. (951) 335
White, J.A. and Scandalios, J.G.
Isolation and characterization of a cDNA for mitochondrial manganese superoxide dismutase (SOD-3) of maize and its relation to other manganese superoxide dismutases (951) 61
Wilson, J.B., see Jogessar, V.B. (951) 36
Winnacker, E.-L., see Gander, I. (951) 411
Wintersberger, U., Kühne, C. and Karwan, R.
Three ribonucleases H and a reverse transcriptase from the yeast, *Saccharomyces cerevisiae* (951) 322

Yamamoto, T., see Zylicz, M. (951) 344
Yui, Y., Katayose, Y. and Shishido, K.
Two linear plasmid-like DNA elements simultaneously maintained in *Pleurotus ostreatus* (951) 53

Zaballos, A., see Salas, M. (951) 419
Ziegelin, G., see Pansegrau, W. (951) 365
Zylicz, M., Ang, D., Liberek, K., Yamamoto, T. and Georgopoulos, C.
Initiation of lambda DNA replication reconstituted with purified lambda and *Escherichia coli* replication proteins (951) 344